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JC10 rec'd PCT/PTO 19 FEB 2002 DC 1 #4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wolf D. Teuchert, et al)
Serial No.: 10/019,512)
Filed: 10/25/01)
For: RECORDING METHOD AND ASSOCIATED
PHOTOGRAMMERIC CAMERA)

January 22, 2002

TRANSMITTAL LETTER

Assistant Commissioner for Patents
Office of Initial Patent Examination
Customer Service Center
Washington, DC 20231

Dear Sir:

Please enter the enclosed translation of an International Preliminary Examination Report into the file of the hereinabove referenced patent applicant. The enclosed report is for the corresponding PCT application Serial No. PCT/DE00/01163.

Respectfully submitted,

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I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS
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AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED
TO: COMMISSIONER OF PATENTS AND TRADEMARKS,
WASHINGTON, D.C. 20231, ON

Jan 23 2002
1/23/02
(DATE SIGNED) WALTER A. HACKLER
REG. NO. 27,792

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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| Applicant's or agent's file reference P7311PCT | FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) | |
| International application No. PCT/DE00/01163 | International filing date (day/month/year) 14 April 2000 (14.04.00) | Priority date (day/month/year) 29 April 1999 (29.04.99) |
| International Patent Classification (IPC) or national classification and IPC G01C 21/32 | | |
| Applicant TEUCHERT, Wolf, D. | | |

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| 1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. |
| 2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet. |
| <input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of _____ sheets. |
| 3. This report contains indications relating to the following items: I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application |

| | |
|---|---|
| Date of submission of the demand 28 November 2000 (28.11.00) | Date of completion of this report 26 March 2001 (26.03.2001) |
| Name and mailing address of the IPEA/EP | Authorized officer |
| Facsimile No. | Telephone No. |

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DE00/01163

I. Basis of the report

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

the international application as originally filed.

the description, pages 1-11, as originally filed,

pages _____, filed with the demand,

pages _____, filed with the letter of _____,

pages _____, filed with the letter of _____.

the claims, Nos. 1-8, as originally filed,

Nos. _____, as amended under Article 19,

Nos. _____, filed with the demand,

Nos. _____, filed with the letter of _____,

Nos. _____, filed with the letter of _____.

the drawings, sheets/fig 1/5-5/5, as originally filed,

sheets/fig _____, filed with the demand,

sheets/fig _____, filed with the letter of _____,

sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

the description, pages _____

the claims, Nos. _____

the drawings, sheets/fig _____

3. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

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(DATE SIGNED)

23 Jan 02
WALTER A. HACKLER
REG. NO. 27,792

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/DE 00/01163**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. Statement**

| | | | |
|-------------------------------|--------|-----|-----|
| Novelty (N) | Claims | 1-8 | YES |
| | Claims | | NO |
| Inventive step (IS) | Claims | 1-8 | YES |
| | Claims | | NO |
| Industrial applicability (IA) | Claims | 1-8 | YES |
| | Claims | | NO |

2. Citations and explanations

The invention relates to a method for recording images of an overflowed ground or a surface, in particular for terrestrial air- or space-supported image recording, and electro-optical detectors allocated to a detector group for carrying out this method.

The prior art is known from the cited document D1 = DE-A-1 971 396. A photogrammetric camera is known from that document in which each electro-optical detector group is made up of sensor lines with a row of individual image elements, said sensor lines being directly next to each other and running transversely to the direction of flight. For a total image, linear ground areas are displayed on the sensor lines at various points in time. In contrast to a three-line camera, the sampled ground lines run parallel to each other and connect directly to each other in this photogrammetric camera. However, the entire surface of the detector group is filled with sensor lines.

The invention avoids this disadvantage, since a small detector surface is sufficient for the electro-optic detector group according to the invention owing to the gaps provided between adjacent detectors. This is achieved by the use of simple means in the method according to

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/DE 00/01163

independent Claim 1.

The cited documents do not mention this possibility and
this solution.